

6.0 SAMPLE PACKAGING AND SHIPPING

6.1 SAMPLE PACKAGING

The procedures and material used for sample packaging must adequately protect the sample containers from accidental breakage during shipment. Sample packaging and will conform to the requirements of Appendix F of USACE Engineering Regulation ER-200-1-3 (USACE, 2001). Glass containers will be placed in plastic bags and will be wrapped and cushioned in inert packing material, such as foam or bubble wrap packing material. Caps will be screwed on tightly, and the containers will be placed into individual, resealable bags, which will then be sealed. Ice will be placed in the container in a manner to promote adequate and equal cooling for all samples.

Ice will be packaged in the following manner. Approximately 1/2 bag of cubed ice will be transferred into a 1-gallon resealable plastic bag. The bag will be sealed and placed inside a second resealable plastic bag. The outer bag will be sealed and taped with duct tape to prevent the bag from opening.

6.2 SAMPLE SHIPPING

Sample containers will be placed inside a strong shipping container, such as a metal or plastic picnic cooler with a hard plastic liner. The shipping container should be sufficient quality to minimize the potential for leaks or spills of ice water or potentially broken sample containers. The drain plug at the bottom of the cooler will be taped shut so that the contents from potential broken containers of prepackaged ice or sample will not escape. The completed COC (minus the sampler's copy) will be placed inside a resealable plastic bag and secured with duct tape to the inside lid of the cooler. The shipping container lid will be adequately secured with tape to prevent opening during shipping. The shipping container will be adequately cleaned between shipments to prevent potential cross-contamination of samples.

Samples will be shipped from the project site to the project analytical laboratory via overnight courier (Federal Express). Field personnel will transport sample shipments from the field to the appropriate Federal Express office. COC forms do not require the signature of the shipping agent.

When possible, samples will be shipped the same day as collection. Due to the location of the project and time constraints for overnight shipping to the eastern US, some shipments may not be sent until the following day. This may be especially true in the case of QA samples sent to the USACE laboratory in Omaha, Nebraska. In such cases, samples will be repacked with fresh ice before shipping.

Samples will only be shipped on Fridays if required by field circumstances and URS has received approval for Saturday delivery from the laboratory.

Samples will be shipped to the laboratory overnight via Federal Express. The contract laboratory address will be included when the laboratory is contracted.

QA samples will be shipped overnight via Federal Express to the following address:

US Army Corps of Engineers
CQAB Lab
Attn: CEWES-EE-Q
420 S. 18th Street
Omaha, NE 68102-2586
Point of contact: Laura Percifield
(402) 444-4313
LIMS #5012